

**REMOVAL PROGRAM
AFTER ACTION REPORT
FOR THE
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, WORCESTER COUNTY, MASSACHUSETTS
2 AUGUST 2016 THROUGH 21 APRIL 2017**

Prepared For:

U.S. Environmental Protection Agency
Region I
Emergency Planning and Response Branch
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

CONTRACT NO.: EP-S3-15-01

TDD NO.: TO1-01-16-07-0004

SITE ID. 01MR

TASK NO. 0141

DC NO. R-00323

Submitted By:

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July 2017

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1.0 INTRODUCTION

The following report, entitled *Removal Program After Action Report for the Anglo Enterprises Company Site, Webster, Worcester County, Massachusetts, 2 August 2016 through 21 April 2017*, is a chronological summary of the response actions taken by the U.S. Environmental Protection Agency (EPA), Region I, Emergency Planning and Response Branch (EPRB). The report details the situation as it developed, actions taken, and resources committed.

Site activities included the following: mobilizing personnel and equipment; preparing a support zone, contamination reduction zone, exclusion zone, and staging area; removing fencing, debris, and vegetation from the work areas; consolidating and segregating metal debris; shearing and rinsing grade 1 steel structural I-beams; shearing, if necessary, and rinsing grade 3 steel, including tin, rebar, and piping; loading out by type, and recycling the rinsed steel; performing dust suppression; conducting perimeter particulate air monitoring; collecting perimeter and personal air samples for asbestos analysis; demolishing the wastewater treatment plant (WWTP); consolidating and staging asbestos-containing material (ACM) debris; loading out and transporting the contaminated ACM to a disposal facility; conducting restoration activities; and demobilizing personnel and equipment.

2.0 SITE CONDITIONS AND BACKGROUND

2.1 Site Location and Description

The Anglo Enterprises Company site (the site) is located at 35 Pearl Street, Webster, Worcester County, Massachusetts (MA) (see Appendix A, Figure 1). The geographic coordinates at the approximate center of the site are 42° 03' 31" north latitude and 71° 52' 45" west longitude. The site is approximately 9 acres and is bordered by the French River and commercial properties to the south, commercial and residential properties to the east and north, and by wooded areas and railroad tracks to the west. The general public is in close proximity to this area with an apartment complex, basketball courts, and a toddler playground area situated directly across the street from the site (see Appendix A, Figure 2). The site was undergoing an asbestos abatement when a catastrophic fire destroyed the building. The area now has the building remnants, and multiple co-mingled piles of debris that contain asbestos. The removal action is intended to remove the asbestos-contaminated debris, and demolish the remaining structure and dispose of the building material appropriately.

2.2 Site History/Previous Actions

The site was the location of a mill complex that is now owned by 35 Pearl St. Limited Liability Corporation (LLC). The site was originally developed in 1900 as Intervale Mills, and was purchased by Anglo Fabrics Company (Anglo) in 1940. Anglo manufactured woolens until it filed for bankruptcy in 1998 and closed in 1999. Mill Investment Associates, LLC purchased the site and rented space to an auto body shop, an on-line store, an electrical distributor, a woodworking company, and an auto storage facility until their bankruptcy around 2013. The 35 Pearl Street, LLC acquired the property in 2014 to redevelop the site, and had conducted some asbestos abatement when a catastrophic fire largely destroyed the building on 25 June 2015.

Immediately after the fire, the Central Regional Office (CERO) of the Massachusetts Department of Environmental Protection (MassDEP) asbestos program was made aware that ACM was found on exterior and interior surfaces throughout the buildings. The information was obtained

from a Division of Local Services (DLS)-licensed asbestos contractor and also a DLS-licensed asbestos inspector retained by the property owner. The DLS-licensed asbestos inspector provided MassDEP's asbestos program with the asbestos sampling results that were obtained during the 8 through 24 April 2015 exterior removal of ACM (transite) shingles and the 5 through 12 May 2015 interior removal of ACM from boilers and pipes. The results indicated chrysotile asbestos (up to 70%) and amosite (up to 55%) in ACM. Not all asbestos had been removed prior to the fire. The MassDEP asbestos program mobilized to the site and conducted an inspection of the property accompanied by the DLS-licensed asbestos contractor. MassDEP personnel observed significant quantities of friable and non-friable ACM commingled with the fire/demolition debris at the site. MassDEP considered all of the fire/demolition debris to be ACM/asbestos-contaminated.

On 10 November 2015, EPA and START mobilized to the site and conducted a perimeter site reconnaissance. It was noted that there were large piles of debris, miscellaneous debris that was strewn about the site, and twisted steel beams and columns that remained following the fire. EPA and START observed areas that contained debris piles that were moved prior to MassDEP involvement, and transformers that were leaking.

On 1 and 2 December 2015, START mobilized to the site to conduct sampling activities. START personnel collected 33 ACM samples and five surface soil samples for asbestos analysis, six surface soil samples for polychlorinated biphenyl (PCB) analysis, and nine paint chip samples for lead analysis. The paint chip samples were collected from various steel I-beams stockpiled on site. All samples were delivered to the EPA Office of Environmental Measurement and Evaluation (OEME) New England Regional Laboratory (NERL) located in North Chelmsford, Massachusetts. Prior to departing from site, START personnel used polyethylene sheeting to cover an opening in one of the tops of the transformers that were staged on site.

Analytical results indicated that ACM was detected in 14 of the 38 samples that were collected from the site. Lead and cobalt were detected in the paint chip samples at concentrations exceeding EPA Removal Management Levels (RMLs). No PCBs were detected in the surface soil samples.

3.0 **SUMMARY OF FEDERAL RESPONSE ACTIONS**

3.1 **Organization of the Response**

ORGANIZATION OF THE RESPONSE		
Organization	Representatives	Responsibilities
U.S. Environmental Protection Agency (EPA) Emergency Planning and Response Branch (EPRB) 5 Post Office Square, Suite 100 Boston, Massachusetts 02109-3912 (617) 918-1265	Allen Jarrell	EPA On-Scene Coordinator (OSC) responsible for the initiation, oversight, and completion of all removal activities. The OSC coordinated with State and local officials.
Weston Solutions, Inc. (Weston) Superfund Technical Assessment and Response Team (START) 101 Billerica Avenue, Building 5, Suite 103 North Billerica, MA 01862 (978) 552-2104	John Burton	START Site Leader that provided the OSC with technical assistance, site documentation, site health and safety monitoring, air monitoring, and draft and final report preparation.

ORGANIZATION OF THE RESPONSE		
Organization	Representatives	Responsibilities
Environmental Restoration, LLC Emergency Rapid Response Services (ERRS) 40 Messina Drive Braintree, MA 02184 (781) 794-1680	Joe Overend	Response Manager (RM) for the ERRS contractor that performed removal activities. The RM was responsible for oversight and organization of mobilization, demobilization, and waste removal activities.
Massachusetts Department of Environmental Protection (MassDEP) 8 New Bond Street Worcester, MA 01887 (508) 849-4044	Donald Heeley	State representative that provided support for removal activities.

3.2 Mobilization and Site Preparation

The site-specific removal health and safety plan (HASP) was reviewed and signed by all personnel before any work commenced. In addition, emergency telephone numbers and directions to the hospital were posted and work zones were delineated. All activities were performed in appropriate personal protective equipment (PPE) in accordance with the HASP. The HASP was prepared by START personnel as a separate document, entitled *Health and Safety Plan for the Anglo Enterprises Company Site, Webster, Massachusetts*. On 15 August 2016, the mobilization and staging of Emergency Rapid Response Services (ERRS) equipment was initiated.

Site preparation activities conducted by ERRS personnel consisted of mobilizing personnel and equipment; preparing a support zone, contamination reduction zone, and staging area; and removing fencing, debris, tree stumps, and vegetation from the work areas.

3.3 Chronology of Removal Activities

Week of 13 June 2016

EPA Office of Site Remediation and Restoration (OSRR) Division Director Bryan Olson signed the Action Memorandum approving the proposed removal action.

Week of 15 August 2016

Personnel on site:

OSC – EPA	Allen Jarrell
START – Weston	Eric Ackerman
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	2 laborers

Equipment on site:

Type	Quantity
Komatsu PC 360 excavator with Steel Shears	1

Type	Quantity
Caterpillar 330D with Grappler	1
Caterpillar Hoe Ram Attachment	1
Caterpillar 4 ton Bucket	1
Storage Container	1
Office Trailer	1
Portable Toilet	2
Generator Baldor (Diesel)	1

Activities for the week included:

- Mobilizing personnel and equipment.
- Removing debris and vegetation around perimeter of the site.
- Leveling the office trailer and installing electrical service from the generator to the trailer.
- Repairing the Pearl Street fire hydrant that would be used to provide water for Dust Control by the Webster Department of Public Works.
- Reviewing and signing the site HASP.
- Providing an initial volume estimate of 43,500 tons of debris to be disposed of.
- Using the Komatsu excavator and shears to cut painted I-beams into 5-foot lengths.
- Conducting perimeter particulate air monitoring using DataRAMs.

Key Dates:

On 18 August 2016, EPA Public Information Officer Jim Murphy met with the property manager at the North Village Apartment Complex and residents located to the north and south of the property and provided them with a leaflet describing the work that would be conducted on site.

Week of 22 August 2016

Personnel on site:

OSC – EPA	Allen Jarrell
START – Weston	Bill Mahany
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	2 laborers

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel and equipment.
- Segregating Steel types, Grade 1 and Grade 3.
- Washing steel and performing dust control activities.
- Shearing Grade 1 steel and Grade 3 steel, as needed, and staging it for disposal or recycling.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Collecting three PCB oil samples from the transformers on site and submitting the samples to Contest Labs for analysis.
- Loading eight Mid City Scrap trucks with steel for recycling.

Week of 29 August 2016

Personnel on site:

OSC – EPA	Allen Jarrell
START – Weston	John Burton
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	2 laborers

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Segregating Steel types, Grade 1 and Grade 3.
- Washing steel and performing dust control activities.
- Placarding the site fence line.
- Preparing a loadout pad on the southern side of the site.
- Decontaminating trucks used for steel loadout prior to departure.
- Shearing grade 3 steel and grade 1 steel as needed and staging it for disposal or recycling.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Loading 12 Mid City Scrap trucks with steel for recycling.

Week of 5 September 2016

Personnel on site: Same as previous week.

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Segregating Steel types, Grade 1 and Grade 3.
- Washing steel and performing dust control activities.
- Decontaminating trucks used for steel loadout prior to departure.
- Shearing Grade 1 steel and Grade 3 steel, as needed, and staging it for disposal or recycling.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Loading nine Mid City Scrap trucks with steel for recycling.

Key dates:

On 8 September 2016, two vendors Tradebe Environmental Services, LLC, (Tradebe) and Cyn Environmental Services (Cyn Environmental), attend a site walk for disposal of the three transformers on site.

On 9 September 2016, the ERRS crew uncovered three drums under debris. One drum was damaged that contained miscellaneous small containers and showed a photoionization detector (PID) reading of 20 parts per million (ppm). The drums would be staged on the building footprint and overpacked.

Week of 12 September 2016

Personnel on site: Same as previous week.

Equipment on site:

Type	Quantity
Komatsu PC 360 excavator with Steel Shears	1
Caterpillar 330D with Grappler	1
Caterpillar Hoe Ram Attachment	1
Caterpillar 4 ton Bucket	1
Caterpillar 950 Front End Loader	1
Storage Container	1
Office Trailer	1
Portable Toilet	2
Generator Baldor (Diesel)	1

Activities for the week included:

- Mobilizing personnel.
- Segregating Steel types, Grade 1 and Grade 3.
- Washing steel and performing dust control activities.
- Overpacking the drums discovered beneath the debris and staging them along the southern fence line.
- Decontaminating trucks used for steel loadout prior to departure.
- Shearing Grade 1 steel and Grade 3 steel as needed and stacking for disposal or recycling.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Conducting perimeter and personal asbestos in air sampling for 3 consecutive days, starting 13 September 2016, as work began in the southwest area toward the WWTP.

Key Dates:

On 13 September 2016, security screens are installed on the site trailer. On 15 September 2016, EPA Public Information Officer Jim Murphy visited the site for an update. Asbestos results received for the air sampling conducted from 14 through 16 September were non-detect for fibers via Phase Contrast Microscopy (PCM).

Week of 19 September 2016

Personnel on site: Same as previous week.

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Segregating Steel types, Grade 1 and Grade 3.
- Washing steel and performing dust control activities.
- Decontaminating trucks used for steel loadout prior to departure.
- Shearing Grade 1 steel and Grade 3 steel as needed and staging for disposal or recycling.

- Conducting perimeter particulate air monitoring using DataRAMs.
- Loading nine Mid City Scrap trucks with steel for recycling.

Key Dates:

On 20 September 2016, two personnel from Cyn Environmental were on site to pump oil out of the three transformers located adjacent to the southern fence line. ERRS assisted with loading the drained units onto a trailer for transport and disposal (see Appendix C, Table 1). On 21 September 2016, OSC Jarrell, RM Overend, and START member Burton performed a site walk to inspect the work areas, and discussed plans for grading areas when building walls were demolished.

Week of 26 September 2016

Personnel on site: Same as previous week.

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Segregating Steel types, Grade 1 and Grade 3.
- Washing steel and performing dust control activities.
- Decontaminating trucks used for steel loadout prior to departure.
- Shearing Grade 1 steel and Grade 3 steel as needed and staging for disposal or recycling.
- Moving wood debris and ash from the building footprint to the loadout area.
- Initiating the demolition of the WWTP.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Loading four Mid City Scrap trucks with steel for recycling.
- Receiving a 40-cubic-yard roll-off container from Mid City Scrap.

Key Dates:

On 27 September 2016, seven vendors attended a site walk for transportation and disposal (T&D) disposal of site debris. The vendors were escorted by OSC Jarrell, RM Overend, and START member Burton. It was determined during the site walk that an addendum to the T&D bid would be issued and the material would be treated as friable ACM. On 28 September 2016, the Town of Webster Public Works Department Water Superintendent Doran Crouse advised RM Overend that the use of a town fire hydrant would be terminated on or about 21 November 2016 based upon weather conditions.

Week of 3 October 2016

Personnel on site:

OSC – EPA	Allen Jarrell
START – Weston	Eric Ackerman
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators

Crew – ER LLC	2 laborers
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Equipment on site:

Type	Quantity
Komatsu PC 360 excavator with Steel Shears	1
Caterpillar 330D with Grapppler	1
Caterpillar Hoe Ram Attachment	1
Caterpillar 4 ton Bucket	1
Caterpillar 950 Front End Loader	1
Storage Container	1
Office Trailer	1
Portable Toilet	2
Generator Baldor (Diesel)	1

Activities for the week included:

- Mobilizing personnel.
- Segregating Steel types, Grade 1 and Grade 3.
- Washing steel and conducting dust control activities.
- Decontaminating trucks used for steel loadout prior to departure.
- Shearing Grade 1 steel and Grade 3 steel as needed and staging for disposal or recycling.
- Moving wood debris and ash from the building footprint to the loadout area.
- Demolishing the WWTP to the platform level per the OSC.
- Decontaminating the Komatsu PC 360 excavator with the shear attachment for a scheduled demobilization date of 11 October 2016.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Loading four Mid City Scrap trucks with steel for recycling.

Key Dates:

On 7 October 2016, OSC Jarrell, RM Overend, and MassDEP representative Donald Heeley met with the building abutter who would be granted access to the property after 21 November 2016 for possible building repairs.

Week of 10 October 2016

Personnel on site:

OSC – EPA	Allen Jarrell
START – Weston	John Burton
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	2 laborers

Equipment on site:

Type	Quantity
Komatsu PC 360 excavator with Steel Shears	1
Caterpillar 330D with Grapppler	1
Caterpillar 330C with Grapppler bucket	1

Type	Quantity
Caterpillar Hoe Ram Attachment	1
Caterpillar 4 ton Bucket	1
Caterpillar 950 Front End Loader	1
Storage Container	1
Office Trailer	1
Portable Toilet	2
Generator Baldor (Diesel)	1

Activities for the week included:

- Mobilizing personnel.
- Segregating Steel types, Grade 1 and Grade 3 pieces from building debris.
- Washing steel and performing dust control activities.
- Decontaminating trucks used for steel loadout prior to departure.
- Moving wood debris and ash from the building footprint to the loadout area.
- Demolishing the WWTP to the platform level per the OSC.
- Completing the decontamination of the Komatsu PC 360 excavator/shear for demobilization.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Collecting small steel pieces from along the site perimeter and loading them into the Mid City roll-off container.
- Loading four Mid City Scrap trucks with steel for recycling.

Week of 17 October 2016

Personnel on site: Same as previous week.

Equipment on site:

Type	Quantity
Caterpillar 330D with Grapppler	1
Caterpillar Hoe Ram Attachment	1
Caterpillar 330C with 4 ton Bucket	1
Caterpillar 950 Front End Loader	1
Storage Container	1
Office Trailer	1
Portable Toilet	2
Generator Baldor (Diesel)	1

Activities for the week included:

- Mobilizing personnel.
- Segregating steel pieces from building debris.
- Washing steel and performing dust control activities.
- Moving wood debris and ash from the building footprint to the loadout area.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Collecting small steel pieces from along the site perimeter and loading them into the Mid City roll-off container.

- Accepting delivery of a Mid City Scrap empty roll-off container, and demobilizing the full roll-off container loaded with steel.

Week of 24 October 2016

Personnel on site: Same as previous week.

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Segregating steel pieces from building debris.
- Washing steel and performing dust control activities.
- Moving wood debris and ash from the building footprint to the loadout area.
- Discovering approximately 30 55-gallon trash bags in the northeast corner of the building that contained suspected ACM material.
- Securing the suspected ACM-containing trash bags in place and covering them with two layers of polyethylene sheeting.
- Backfilling the electrical vault near the WWTP, and holes on the site, with sand from the WWTP per the OSC.
- Covering the ACM-containing stockpile from the eastern side.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Collecting small steel pieces from along the site perimeter and loading them into the Mid City roll-off container.
- Receiving two empty roll-off containers, and demobilizing two full Mid City Scrap roll-off containers loaded with steel.

Key Dates:

On 27 October 2016, RM Overend and START member Burton reviewed the stockpile dimensions. The stockpile was approximately 370 feet x 50 feet x 14 feet or approximately 9,600 cubic yards: 9,600 cubic yards x 1.5 tons per cubic yard estimate results in an estimate of 14,400 tons for T&D.

Week of 31 October 2016

Personnel on site: Same as previous week.

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Segregating steel pieces from building debris.
- Washing steel and performing dust control activities.
- Moving wood debris and ash from the building footprint to the loadout area.
- Continuing to backfill the electrical vault near the WWTP, and holes on the site with sand from the WWTP per the OSC.
- Using the hoe-ram attachment and excavator to begin the demolition of the WWTP walls near the sheet piling along the French River and eastern walls of the building foundation.

- Continuing to cover the ACM/debris stockpile with tarps.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Loading small steel pieces from along the perimeter and rebar from demolished foundation walls into Mid-City roll-off containers.
- Accepting delivery of two empty Mid City Scrap roll-off containers and demobilizing two full roll-off containers loaded with steel.

Key Dates:

On 1 November 2016, EPA Emergency Planning and Response Branch (EPRB) Section Chief Carol Tucker visited the site and discussed current and future site activities with OSC Jarrell. On 3 November 2016, the ER HAZCAT chemist evaluated the five overpacked drums. One drum had ACM-containing material and was moved to the disposal pile. Three drums contained multiple miscellaneous containers of paints, resins, and adhesives. One drum contained an oil/water mixture.

Week of 7 November 2016

Personnel on site:

OSC – EPA	Allen Jarrell
START – Weston	Bill Mahany
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	2 laborers

Equipment on site:

Activities for the week included:

- Mobilizing personnel.
- Segregating steel pieces from building debris.
- Washing steel and performing dust control activities.
- Moving wood debris and ash from the building footprint to the loadout area.
- Continuing to demolish walls using the hoe-ram to-grade along the northern and northwestern sides of the building footprint.
- Continuing to cover the ACM/debris stockpile with tarps.
- Conducting perimeter particulate air monitoring using DataRAMs.
- Loading small steel pieces from along the perimeter and rebar from demolished foundation walls into Mid-City roll-off containers.
- Demobilizing one full roll-off container of steel by Mid City Scrap.

Week of 13 March 2017

Personnel on site:

OSC – EPA	Allen Jarrell
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	6 laborers

Equipment on site:

Type	Quantity
Caterpillar 330D with Bucket	1
Caterpillar 950 Front End Loader (Solid Tires)	1
Scissor Lifts	2
Skid Steer	1
Storage Container	1
Office Trailer	1
Portable Toilet	2
Generator (Diesel)	1

Activities for the week included:

- Mobilizing personnel.
- Mobilizing equipment.
- Connecting electrical conduit from the generator to the trailer.
- Clearing snow.
- Removing tarps from the ACM/debris stockpile.
- Conducting a review of the proper use of scissor lifts with ERRS personnel.
- Establishing Work Zones.

Week of 20 March 2017

Personnel on site:

OSC – EPA	Allen Jarrell
START-Weston	John Burton
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	6 laborers

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Establishing and placarding Work Zones.
- Conducting perimeter aerosol monitoring daily depending upon weather.
- Performing 3 days of perimeter asbestos air sampling.
- Conducting 3 days of personal air sampling for ER LLC staff.
- Lining trailer beds with two layers of 10 mil poly sheeting.
- Directing truck drivers into loadout area.
- Using Town water from adjacent fire hydrant for dust control during loadout.
- Loading up to seven trailers per day with building debris and ACM.
- Sealing the top of the poly sheeting for transport.
- Removing additional sections of tarp from the ACM/debris stockpile.

Week of 27 March 2017

Personnel on site: Same as previous week.

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Re-establishing and placarding Work Zones as areas were reduced.
- Conducting perimeter aerosol monitoring daily depending upon weather.
- Performing additional air sampling of ERRS personnel due to positive detects by ER LLC staff.
- Lining trailer beds with two layers of 10 mil poly sheeting.
- Directing truck drivers into loadout area.
- Using Town water from adjacent fire hydrant for dust control during loadout.
- Loading up to eight trailers per day with building debris and ACM.
- Sealing the top of the poly sheeting for transport.
- Removing additional sections of tarp from the ACM/debris stockpile.

Week of 3 April 2017

Personnel on site:

OSC – EPA	Allen Jarrell
START-Weston	John Burton
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	2 equipment operators
Crew – ER LLC	5 laborers

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Re-establishing and placarding Work Zones as areas were reduced.
- Conducting perimeter aerosol monitoring daily depending upon weather.
- Demobilizing one laborer during the week.
- Lining trailer beds with two layers of 10 mil poly sheeting.
- Directing truck drivers into loadout area.
- Using Town water from adjacent fire hydrant for dust control during loadout.
- Loading up to 10 trailers per day with building debris and ACM.
- Sealing the top of the poly sheeting for transport.
- Removing additional sections of tarp from the ACM/debris stockpile.

Week of 10 April 2017

Personnel on site:

OSC – EPA	Allen Jarrell
START-Weston	John Burton
Response Manager – Environmental Restoration, LLC (ER LLC)	Joe Overend
Crew – ER LLC	1 equipment operator
Crew – ER LLC	5 laborers

Equipment on site: Same as previous week.

Activities for the week included:

- Mobilizing personnel.
- Re-establishing and placarding Work Zones as work areas were reduced.
- Conducting perimeter aerosol monitoring daily depending upon weather.
- Demobilizing one equipment operator during the week.
- Lining trailer beds with two layers of 10 mil poly sheeting.
- Directing truck drivers into loadout area.
- Using Town water from adjacent fire hydrant for dust control during loadout.
- Loading up to six trailers per day with building debris and ACM.
- Sealing the top of the poly sheeting for transport.
- Removing the final section of tarp from the ACM/debris stockpile.
- Completing loadout activities
- Performing final cleaning of site area.
- Disconnecting the electrical generator from the Command Post trailer.
- Demobilizing ERRS personnel and equipment.
- Demobilizing the Conex storage box and the Command Post trailer.

4.0 ESTIMATED COSTS OF THE REMOVAL ACTION

EPA resources committed under this Removal Action are summarized below:

Cost Category	Ceiling	Costs Incurred	Remainder
Regional Removal Allowance Costs			
ERRS	\$2,400,000	\$860,896	\$1,539,104
START Contractor	\$400,000	\$200,719	\$199,281
Other Extramural Costs Not Funded from the Regional Allowance			
Extramural Contingency	\$200,000	\$0	\$200,000
Total Removal Project Costs	\$3,000,000	\$1,061,615	\$1,938,385

This accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

Appendices

Appendix A

Figures

Figure 1 - Site Location Map

Figure 2 - Site Diagram

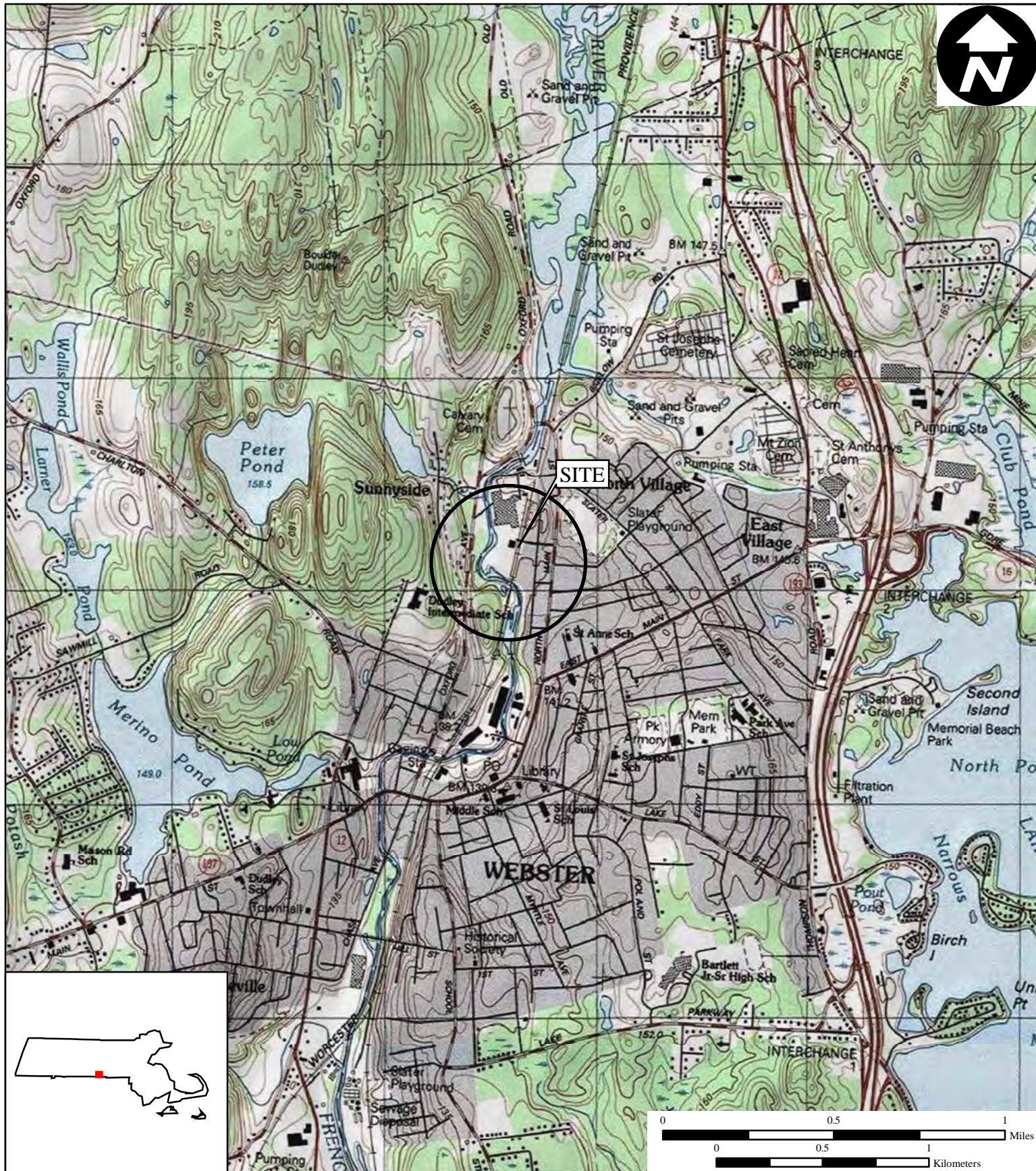


Figure 1

Site Location Map

Anglo Enterprises Company
35 Pearl Street
Webster, Massachusetts

EPA Region I
Superfund Technical Assessment and
Response Team (START) IV
Contract No. EP-S3-15-01

TDD Number: TO1-01-16-07-0004
Created by: C. Dupree
Created on: 3 December 2015
Modified by: E. Ackerman
Modified on: 9 May 2017

Data Sources:

Topos: MicroPath/USGS/USA Topo Maps
 Quadrangle Name(s): Webster
 All other data: START



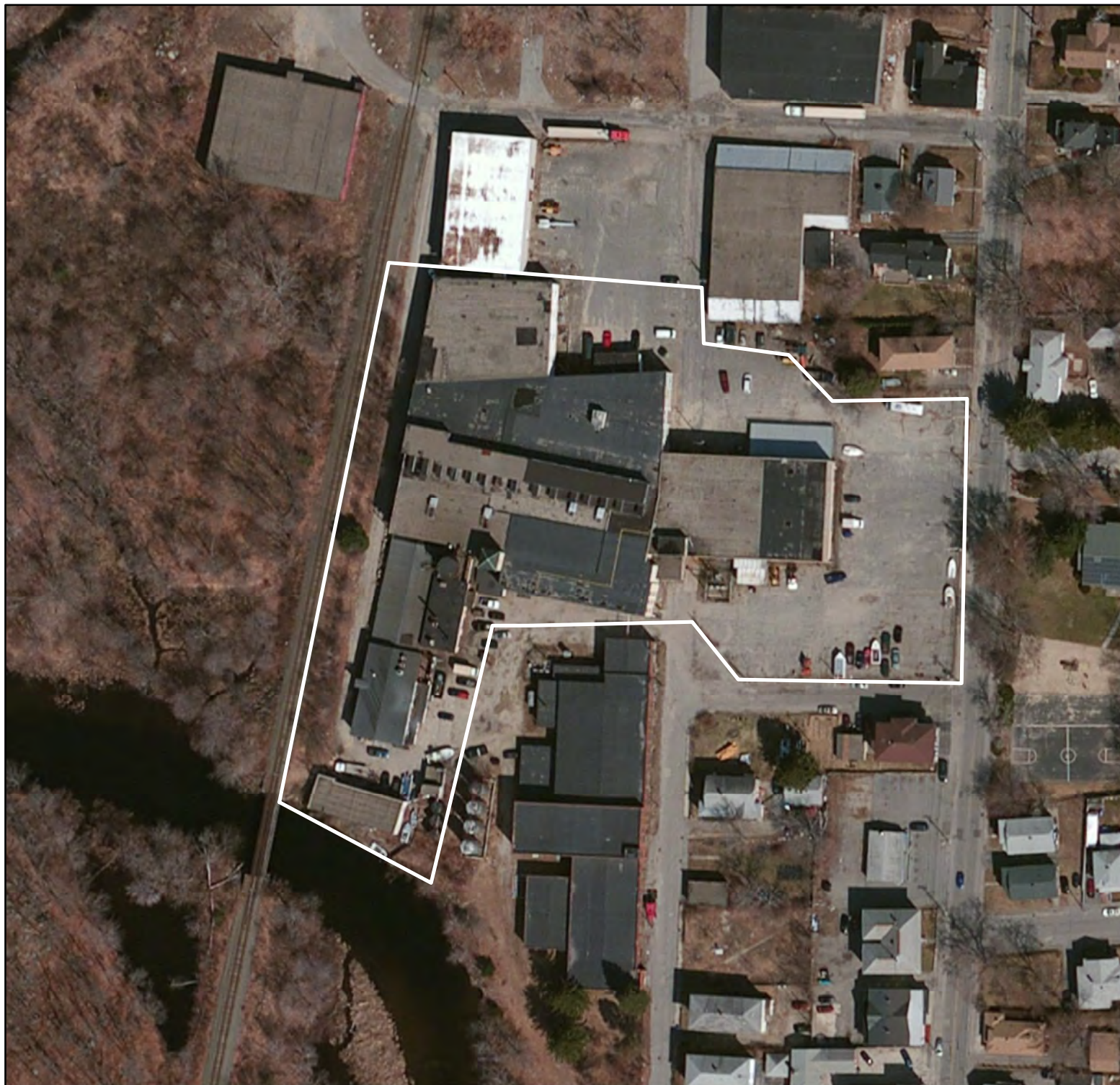


Figure 2

Site Diagram

**Anglo Enterprises Company
35 Pearl Street
Webster, Massachusetts**

**EPA Region I
Superfund Technical Assessment and
Response Team (START) IV
Contract No. EP-S3-15-01**

TDD Number: TO1-16-07-0004

Created by: C. Dupree

Created on: 3 December 2015

Modified by: E. Ackerman

Modified on: 9 May 2017

LEGEND



0 25 50 100 150
Feet

Data Sources:

Imagery: Esri, GeoEye, i-cubed

Topos: MicroPath

All other data: START



Appendix B

Photodocumentation Log

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of debris fields along southern fence line and heat-damaged steel structures. Photograph taken facing west.

DATE: 10 November 2015

TIME: 1005 hours

PHOTOGRAPHER: K. Robinson

CAMERA: iPhone 6



SCENE: View of debris fields along northern fence line, steel piles, and heat-damaged steel structures. Photograph taken facing northwest.

DATE: 10 November 2015

TIME: 1005 hours

PHOTOGRAPHER: K. Robinson

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of the site Command Post trailer prior to leveling. Photograph taken facing east.

DATE: 16 August 2016

TIME: 0739 hours

PHOTOGRAPHER: E. Ackerman

CAMERA: iPhone 6



SCENE: View of scrap steel outside the eastern wall of the former Anglo Enterprises building. Photograph taken facing east.

DATE: 18 August 2016

TIME: 1330 hours

PHOTOGRAPHER: E. Ackerman

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of steel shearing activities outside the eastern wall of the Anglo Enterprises building. Photograph taken facing northwest.

DATE: 18 August 2016

PHOTOGRAPHER: E. Ackerman

TIME: 0931 hours

CAMERA: iPhone 6



SCENE: View of steel shearing (rear) and steel load out on the northeastern side of the site. Photograph taken facing northwest.

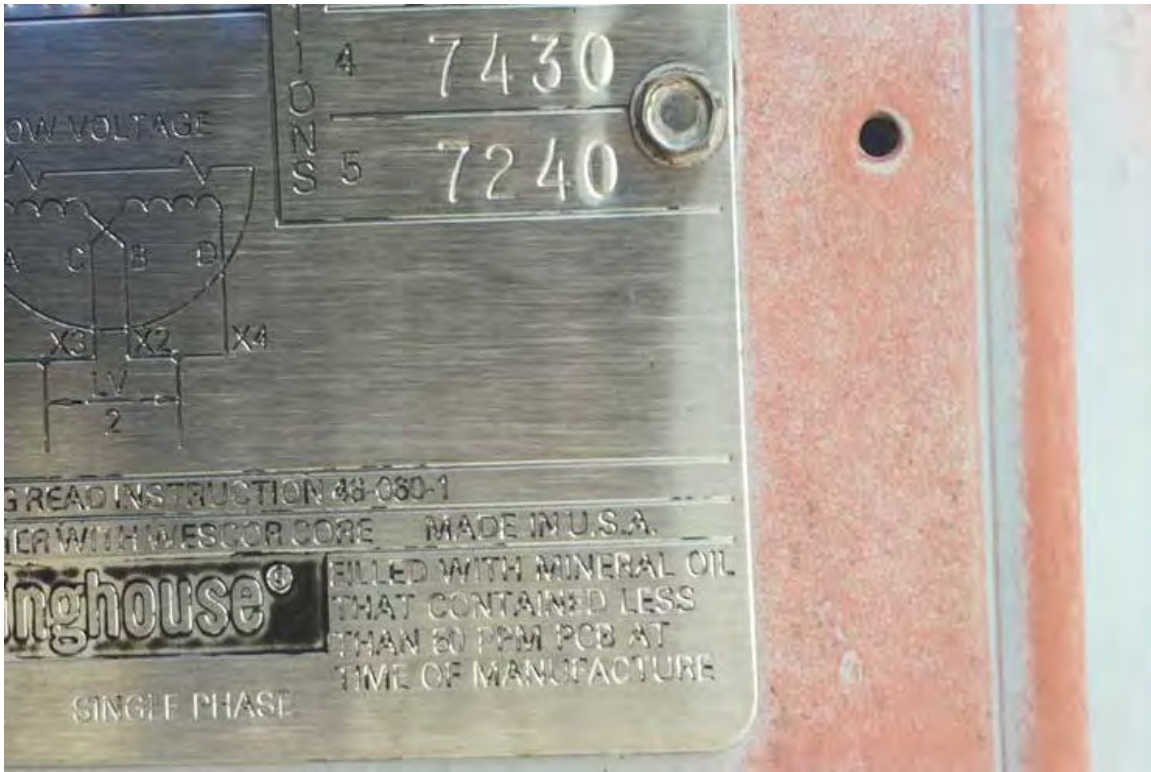
DATE: 24 August 2016

PHOTOGRAPHER: B. Mahany

TIME: 0900 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of the “Filled With Mineral Oil That Contained Less than 50 PPM PCB At Time Of Manufacture” label on one of the three transformers staged along the southern fence line. Photograph taken facing south.

DATE: 19 August 2016

TIME: 1047 hours

PHOTOGRAPHER: E. Ackerman

CAMERA: iPhone 6



SCENE: View of the three transformers to be drained and transported off site for disposal. Photograph taken facing north.

DATE: 25 August 2016

TIME: 0818 hours

PHOTOGRAPHER: B. Mahany

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of Cyn Environmental pumping the oil from the transformers. Photograph taken facing east.

DATE: 20 September 2016

TIME: 0914 hours

PHOTOGRAPHER: J. Burton

CAMERA: iPhone 6



SCENE: View of overpack drums containing miscellaneous flammable liquids and the excavator loading empty transformers onto the Cyn Environmental flatbed trailer for disposal. Photograph taken facing west.

DATE: 20 September 2016

TIME: 0914 hours

PHOTOGRAPHER: J. Burton

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of steel shearing in the west central building footprint while using water for dust suppression. Photograph taken facing northeast.

DATE: 31 August 2016

PHOTOGRAPHER: J. Burton

TIME: 1257 hours

CAMERA: iPhone 6



SCENE: View of ongoing steel shearing, steel load out, dust suppression, and truck tire decontamination. Photograph taken facing east.

DATE: 1 September 2016

PHOTOGRAPHER: J. Burton

TIME: 1115 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of ongoing steel shearing, steel load out, dust suppression, and truck tire decontamination. Photograph taken facing west.

DATE: 8 September 2016

PHOTOGRAPHER: J. Burton

TIME: 1115 hours

CAMERA: iPhone 6



SCENE: View of ER personnel staging drums on a pad for overpacking. Photograph taken facing northwest.

DATE: 9 September 2016

PHOTOGRAPHER: J. Burton

TIME: 1351 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of ER personnel overpacking drums. Drums were staged along the southern fence line. Photograph taken facing north.

DATE: 12 September 2016

PHOTOGRAPHER: J. Burton

TIME: 0946 hours

CAMERA: iPhone 6



SCENE: View of steel shearing activities. Photograph taken facing northeast.

DATE: 12 September 2016

PHOTOGRAPHER: J. Burton

TIME: 1512 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of steel load out, steel decontamination, dust suppression, and continued steel consolidation. Photograph taken facing south.

DATE: 20 September 2016

PHOTOGRAPHER: J. Burton

TIME: 1049 hours

CAMERA: iPhone 6



SCENE: View of suspected bags of Asbestos-Containing Material (ACM) being secured on polyethylene (poly) sheeting until load out. Photograph taken facing west.

DATE: 24 September 2016

PHOTOGRAPHER: J. Burton

TIME: 1457 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of the steel staircase adjacent to the abutters building being sheared. Photograph taken facing northwest.

DATE: 23 September 2016

TIME: 1245 hours

PHOTOGRAPHER: J. Burton

CAMERA: iPhone 6



SCENE: View of the demolition of the Wastewater Treatment Plant (WWTP) adjacent to the French River. Demolition activities were performed using town water for dust suppression. Photograph taken facing south.

DATE: 1 November 2016

TIME: 1143 hours

PHOTOGRAPHER: J. Burton

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of the demolished WWTP adjacent to the French River. Photograph taken facing west.

DATE: 3 November 2016

PHOTOGRAPHER: J. Burton

TIME: 1510 hours

CAMERA: iPhone 6



SCENE: View of the Hydraulic Hammer (Hoe Ram) breaking the concrete wall to-grade along the eastern wall of the Anglo Enterprises building. Photograph taken facing west.

DATE: 3 November 2016

PHOTOGRAPHER: J. Burton

TIME: 0941 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of the demolished walls and ACM debris stockpile prior to winter shutdown. Photograph taken facing northwest.

DATE: 15 November 2016

PHOTOGRAPHER: J. Burton

TIME: 1121 hours

CAMERA: iPhone 6



SCENE: View of a trailer being double lined with 10 mil poly sheeting, while another trailer is being loaded with ACM debris. Photograph taken facing southwest.

DATE: 20 March 2017

PHOTOGRAPHER: J. Burton

TIME: 1120 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of a trailer being loaded while a front-end loader replenishes the load-out pile. Photograph taken facing west.

DATE: 28 March 2017

TIME: 1424 hours

PHOTOGRAPHER: J. Burton

CAMERA: iPhone 6



SCENE: View of progress while loading out ACM debris from the stockpile. The stockpile was originally even with the two taller sewer pipes on the left (see arrow). Photograph taken facing east.

DATE: 30 March 2017

TIME: 1312 hours

PHOTOGRAPHER: J. Burton

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of a trailer being lined with poly sheeting and the front-end loader moving debris into the load-out area. Photograph taken facing west.

DATE: 5 April 2017

PHOTOGRAPHER: J. Burton

TIME: 0930 hours

CAMERA: iPhone 6



SCENE: View of a trailer being sealed after load out, and the excavator picking out steel pieces as the ACM stockpile is wetted. Photograph taken facing west.

DATE: 7 April 2017

PHOTOGRAPHER: J. Burton

TIME: 1035 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of the remaining load-out stockpile, and the steel natural gas line spray-painted yellow in the middle of the photograph. Photograph taken facing east.

DATE: 12 April 2017

PHOTOGRAPHER: J. Burton

TIME: 1254 hours

CAMERA: iPhone 6



SCENE: View of the scissor lift operator spotting for the excavator operator during load out. Photograph taken facing west.

DATE: 13 April 2017

PHOTOGRAPHER: J. Burton

TIME: 1147 hours

CAMERA: iPhone 6

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site • Webster, Massachusetts



SCENE: View of the scissor lift and skid steer operators assisting with the load out of the last of the ACM debris.
Photograph taken facing west.

DATE: 13 April 2017

PHOTOGRAPHER: J. Burton

TIME: 1208 hours

CAMERA: iPhone 6

Appendix C

Waste Disposal Summary Tables

Table 1 Waste Disposal Summary - Transformers and Transformer Oil

Table 2 Waste Disposal Summary - Drum Inventory

Table 3 Waste Disposal Summary - Friable ACM Debris

TABLE 1
WASTE DISPOSAL SUMMARY
Transformers and Transformer Oil
Anglo Enterprises Site
20 September 2016

Date	Proper Shipping Name	Manifest Number	Container No./Type		Volume or Quantity		Transporter	Disposal Facility
9/20/2016	Non-RCRA, Non-DOT Regulated Material	092016-ALL	3	CM	2,500.0	P	Cyn Oil Corporation	Allied Recycling Center, Inc. 1901 Main St. Walpole MA 02081
9/20/2016	State Regulated Oil Waste	016269567 JJK	1	TT	400.0	G	Cyn Oil Corporation	Cyn Oil Corporation 1771 Washington St. Stoughton MA 02072

No. = Number
P = Pounds
G = Gallons

CM = Metal boxes, cartons, cases.
TT = Cargo Tanks (tank trucks)
MA = Massachusetts

TABLE 2
WASTE DISPOSAL SUMMARY
 Drum Inventory
 Anglo Enterprises Site
 26 January 2017

Date	Proper Shipping Name	Manifest Number	Container No./Type		Volume or Quantity		Transporter	Disposal Facility
1/26/2017	UN1263 Waste Paint 3 PG II (RQ D001 100#) ERG#128	014689688 JJK	3	DM	600	P	Clean Venture Inc.	Cycle Chem Inc. 217 South First Street Elizabeth, NJ 07206
1/26/2017	UN1993 WASTE FLAMMABLE LIQUIDS N.O.S (Benzene 6100 µg/L) 3 PG II (RQ D018 10# D001 100#) erg#128	014689688 JJK	1	DM	200	P	Clean Venture Inc.	Cycle Chem Inc. 217 South First Street Elizabeth, NJ 07206
1/26/2017	UN1325 WASTE FLAMMABLE SOLIDS, ORGANIC, N.O.S Asbestos (Amianthus, Obsolete Amosite), VM&P Naptha (Ligroine) 4.1 PGIII ERG#133	014689688 JJK	1	DF	100	P	Clean Venture Inc.	Cycle Chem Inc. 217 South First Street Elizabeth, NJ 07206
1/26/2017	UN1950 WASTE AEROSOLS 2.1 ERG #126	014689688 JJK	1	DF	5	P	Clean Venture Inc.	Cycle Chem Inc. 217 South First Street Elizabeth, NJ 07206
1/26/2017	Non-DOT Chemical Process Liquid Non-RCRA	014689688 JJK	1	DM	100	P	Clean Venture Inc.	Cycle Chem Inc. 217 South First Street Elizabeth, NJ 07206
1/26/2017	Non-DOT Chemical Process Solid Non-RCRA	B34192	1	DF	10	P	Clean Venture Inc.	Cycle Chem Inc. 217 South First Street Elizabeth, NJ 07206

No. = Number

P = Pounds

DM = Metal drums, barrels, kegs

DF = Fiberboard or plastic drums, barrels, kegs

NJ = New Jersey

RCRA = Resource Conservation and Recovery Act

UN = United Nations

DOT = Department of Transportation

N.O.S. = Not Otherwise Specified

RQ = Reportable Quantity

PG = Packing Group

ERG = Emergency Response Guide

TABLE 3
WASTE DISPOSAL SUMMARY
Friable ACM Debris
Anglo Enterprises Site
20 March 2017 through 13 April 2017

Date	Proper Shipping Name	Manifest Number	Container No./Type	Quantity (Tons)	Transporter	Disposal Facility
3/20/2017	Friable ACM Debris	B34187	1 DT	24.48	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/20/2017	Friable ACM Debris	B34188	1 DT	26.04	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/20/2017	Friable ACM Debris	B34189	1 DT	24.5	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/20/2017	Friable ACM Debris	B34190	1 DT	29.96	WM Materials	Minerva Enterprises, LLC Waynesburg, Ohio
3/20/2017	Friable ACM Debris	B34191	1 DT	34.95	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/20/2017	Friable ACM Debris	B34192	1 DT	36.74	Shaw Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/21/2017	Friable ACM Debris	B34193	1 DT	24.79	CTI Weigle	Minerva Enterprises, LLC Waynesburg, Ohio
3/21/2017	Friable ACM Debris	B34194	1 DT	23.9	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/21/2017	Friable ACM Debris	B34195	1 DT	30.23	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/21/2017	Friable ACM Debris	B34196	1 DT	24.32	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/21/2017	Friable ACM Debris	B34197	1 DT	26.33	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/21/2017	Friable ACM Debris	B34198	1 DT	23.59	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/22/2017	Friable ACM Debris	B34199	1 DT	25.33	WM Material	Minerva Enterprises, LLC Waynesburg, Ohio
3/22/2017	Friable ACM Debris	B34200	1 DT	24.33	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/22/2017	Friable ACM Debris	B34201	1 DT	25.34	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/22/2017	Friable ACM Debris	B34202	1 DT	36.21	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/22/2017	Friable ACM Debris	B34203	1 DT	33.91	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/22/2017	Friable ACM Debris	B34204	1 DT	24.83	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/23/2017	Friable ACM Debris	B34205	1 DT	22.31	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/23/2017	Friable ACM Debris	B34206	1 DT	37.47	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/23/2017	Friable ACM Debris	B34207	1 DT	36.83	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/23/2017	Friable ACM Debris	B34208	1 DT	36.14	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/23/2017	Friable ACM Debris	B34209	1 DT	22.65	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/23/2017	Friable ACM Debris	B34210	1 DT	36.35	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/24/2017	Friable ACM Debris	B34211	1 DT	36.4	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/24/2017	Friable ACM Debris	B34212	1 DT	24.17	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/24/2017	Friable ACM Debris	B34213	1 DT	25.65	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/24/2017	Friable ACM Debris	B34214	1 DT	35.23	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/24/2017	Friable ACM Debris	B34215	1 DT	24.99	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/24/2017	Friable ACM Debris	B34216	1 DT	22.72	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/24/2017	Friable ACM Debris	B34217	1 DT	25.69	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/27/2017	Friable ACM Debris	B34218	1 DT	24.73	WM Materials	Minerva Enterprises, LLC Waynesburg, Ohio
3/27/2017	Friable ACM Debris	B34219	1 DT	39.59	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/27/2017	Friable ACM Debris	B34220	1 DT	25.37	Rustler Transport	Minerva Enterprises, LLC Waynesburg, Ohio
3/27/2017	Friable ACM Debris	B34221	1 DT	21.88	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/27/2017	Friable ACM Debris	B34222	1 DT	27.8	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/27/2017	Friable ACM Debris	B34223	1 DT	38.53	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/27/2017	Friable ACM Debris	B34224	1 DT	41.93	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/28/2017	Friable ACM Debris	B34225	1 DT	25.37	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/28/2017	Friable ACM Debris	B34226	1 DT	35.34	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/28/2017	Friable ACM Debris	B34227	1 DT	35.67	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/28/2017	Friable ACM Debris	B34228	1 DT	33.97	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/28/2017	Friable ACM Debris	B34229	1 DT	37.36	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/28/2017	Friable ACM Debris	B34230	1 DT	34.63	Shaw/Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/28/2017	Friable ACM Debris	B34231	1 DT	25.64	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio

TABLE 3
WASTE DISPOSAL SUMMARY
Friable ACM Debris
Anglo Enterprises Site
20 March 2017 through 13 April 2017

Date	Proper Shipping Name	Manifest Number	Container No./Type	Quantity (Tons)	Transporter	Disposal Facility
3/29/2017	Friable ACM Debris	B34232	1 DT	43.52	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/29/2017	Friable ACM Debris	B34233	1 DT	35.99	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/29/2017	Friable ACM Debris	B34234	1 DT	35.79	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/29/2017	Friable ACM Debris	B34235	1 DT	32.39	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/29/2017	Friable ACM Debris	B34236	1 DT	25.35	Rustler Transport	Minerva Enterprises, LLC Waynesburg, Ohio
3/29/2017	Friable ACM Debris	B34237	1 DT	24.67	Rustler Transport	Minerva Enterprises, LLC Waynesburg, Ohio
3/29/2017	Friable ACM Debris	B34238	1 DT	39.19	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/30/2017	Friable ACM Debris	B34239	1 DT	29.78	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/30/2017	Friable ACM Debris	B34240	1 DT	30.42	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/30/2017	Friable ACM Debris	B34241	1 DT	25.84	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/30/2017	Friable ACM Debris	B34242	1 DT	38.6	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/30/2017	Friable ACM Debris	B34243	1 DT	31.92	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/30/2017	Friable ACM Debris	B34244	1 DT	23.83	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/30/2017	Friable ACM Debris	B34245	1 DT	35.98	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34246	1 DT	38.46	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34247	1 DT	25.18	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34248	1 DT	23.09	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34249	1 DT	26.05	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34250	1 DT	22.85	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34251	1 DT	33.05	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34252	1 DT	30.89	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34253	1 DT	36.44	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
3/31/2017	Friable ACM Debris	B34254	1 DT	37.18	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34255	1 DT	23.9	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34256	1 DT	25.39	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34257	1 DT	26.71	Rustler Transport	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34258	1 DT	24.38	Rustler Transport	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34259	1 DT	23.33	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34260	1 DT	28.26	Weigle/Shaw Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34261	1 DT	29.39	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34262	1 DT	34.45	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34263	1 DT	32.85	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/3/2017	Friable ACM Debris	B34264	1 DT	37.25	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34265	1 DT	35.07	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34266	1 DT	33.61	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34267	1 DT	32.73	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34268	1 DT	36.94	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34269	1 DT	30.65	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34270	1 DT	45.49	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34271	1 DT	38.71	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/4/2017	Friable ACM Debris	B34272	1 DT	35.99	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio

TABLE 3
WASTE DISPOSAL SUMMARY
Friable ACM Debris
Anglo Enterprises Site
20 March 2017 through 13 April 2017

Date	Proper Shipping Name	Manifest Number	Container No./Type		Quantity (Tons)	Transporter	Disposal Facility
4/5/2017	Friable ACM Debris	B34273	1	DT	38.76	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/5/2017	Friable ACM Debris	B34274	1	DT	25.52	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
4/5/2017	Friable ACM Debris	B34275	1	DT	25.4	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
4/5/2017	Friable ACM Debris	B34276	1	DT	26.98	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
4/5/2017	Friable ACM Debris	B34277	1	DT	26.91	Rustler Services	Minerva Enterprises, LLC Waynesburg, Ohio
4/5/2017	Friable ACM Debris	B34278	1	DT	40.66	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/5/2017	Friable ACM Debris	B34279	1	DT	21.69	CTI Weigle	Minerva Enterprises, LLC Waynesburg, Ohio
4/5/2017	Friable ACM Debris	B34280	1	DT	34.13	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34281	1	DT	30.5	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34301	1	DT	37.82	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34302	1	DT	25.24	SC Ballard	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34303	1	DT	31.64	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34304	1	DT	35.57	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34306	1	DT	36.36	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34307	1	DT	35.36	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/6/2017	Friable ACM Debris	B34308	1	DT	24.45	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/7/2017	Friable ACM Debris	B34309	1	DT	24.91	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/7/2017	Friable ACM Debris	B34310	1	DT	27.34	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/7/2017	Friable ACM Debris	B34311	1	DT	31.43	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/7/2017	Friable ACM Debris	B34312	1	DT	35.16	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/7/2017	Friable ACM Debris	B34313	1	DT	24.09	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/7/2017	Friable ACM Debris	B34314	1	DT	38.17	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/7/2017	Friable ACM Debris	B34315	1	DT	34.74	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/10/2017	Friable ACM Debris	B34316	1	DT	30.84	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/10/2017	Friable ACM Debris	B34317	1	DT	37.94	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/10/2017	Friable ACM Debris	B34318	1	DT	34.36	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/10/2017	Friable ACM Debris	B34319	1	DT	24.2	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/10/2017	Friable ACM Debris	B34320	1	DT	35.25	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/10/2017	Friable ACM Debris	B34321	1	DT	32.38	Alterio Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/11/2017	Friable ACM Debris	B34322	1	DT	29.86	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/11/2017	Friable ACM Debris	B34323	1	DT	34.57	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/13/2017	Friable ACM Debris	B34324	1	DT	30.48	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio
4/13/2017	Friable ACM Debris	B34325	1	DT	38.99	Weigle Trucking	Minerva Enterprises, LLC Waynesburg, Ohio

No. = Number

⌈ = Dump Truck

Appendix D

Asbestos Air Monitoring Results

SITE: ANGLO ENTERPRISES SITE
CASE: 0890F SDG: R01-160815AJ-0001
LABORATORY: BATTA LABORATORIES

DATA SUMMARY TABLE 1
ASBESTOS AIR ANALYSIS
FIBERS per CUBIC CENTIMETER (F/cc)

SAMPLE NUMBER:			R01-160815AJ-0001	R01-160815AJ-0002	R01-160815AJ-0003	R01-160815AJ-0004	R01-160815AJ-0005	R01-160815AJ-0006	R01-160815AJ-0007
SAMPLE LOCATION:			East	South	West	Lot Blank	Field Blank	East	South
LABORATORY NUMBER:			889669	889670	669671	889672	889673	890020	890021
DATE SAMPLED:			9/13/16	9/13/16	9/13/16	9/13/16	9/13/16	9/14/16	9/14/16
VOLUME (L):			1231.86	1174.43	1201.41	0	0	1058.48	1099.31
ANALYTES	METHOD	RL							
ASBESTOS	PCM	0.003	<0.002	<0.002	<0.002	ND	ND	<0.003	<0.002

SAMPLE NUMBER:			R01-160815AJ-0008	R01-160815AJ-0009	R01-160815AJ-0010	R01-160815AJ-0011			
SAMPLE LOCATION:			West	East	South	West			
LABORATORY NUMBER:			890022	890132	890133	890134			
DATE SAMPLED:			9/14/16	9/15/16	9/15/16	9/15/16			
VOLUME (L):			1064.08	1089.92	1095.93	1113.08			
ANALYTES	METHOD	RL							
ASBESTOS	PCM	0.003	<0.003	<0.002	<0.002	<0.002			

ANALYTICAL METHOD

PCM - PHASE CONTRAST MICROSCOPY - NIOSH 7400

NOTES: RL = REPORTING LIMIT

ND = NO FIBERS DETECTED

NA = NOT APPLICABLE

L = LITER

SITE: ANGLO ENTERPRISES SITE
CASE: 0896F SDG: R01-160815AJ-0012
LABORATORY: BATTAL LABORATORIES

DATA SUMMARY TABLE 1
ASBESTOS AIR ANALYSIS
FIBERS per CUBIC CENTIMETER (F/cc)

SAMPLE NUMBER:			R01-160815AJ-0012	R01-160815AJ-0013	R01-160815AJ-0014	R01-160815AJ-0015	R01-160815AJ-0016	R01-160815AJ-0017	R01-160815AJ-0018
SAMPLE LOCATION:			Lot Blank	Field Blank	North	South	East	North	East
LABORATORY NUMBER:			916951	916952	916953	916954	916955	917268	917269
DATE SAMPLED:			3/21/17	3/21/17	3/21/17	3/21/17	3/21/17	3/22/17	3/22/17
VOLUME (L):			0	0	1010.1	1009	1027.8	1029	1044.8
ANALYTES	METHOD	RL							
ASBESTOS	PCM	0.003	ND	ND	0.003	<0.003	0.004	0.008	0.015

SAMPLE NUMBER:			R01-160815AJ-0019	R01-160815AJ-0020	R01-160815AJ-0021	R01-160815AJ-0022			
SAMPLE LOCATION:			South	North	East	South			
LABORATORY NUMBER:			917270	917409	917410	917411			
DATE SAMPLED:			3/22/17	3/23/17	3/23/17	3/23/17			
VOLUME (L):			1155.9	1050.8	1084.7	1155.7			
ANALYTES	METHOD	RL							
ASBESTOS	PCM	0.003	0.019	0.012	0.012	0.014			

ANALYTICAL METHOD

PCM - PHASE CONTRAST MICROSCOPY - NIOSH 7400

NOTES: RL = REPORTING LIMIT

ND = NO FIBERS DETECTED

NA = NOT APPLICABLE

L = LITER

SITE: ANGLO ENTERPRISES SITE
CASE: 0896F SDG: R01-160815AJ-0012
LABORATORY: BATTAL LABORATORIES

DATA SUMMARY TABLE 2
ASBESTOS AIR ANALYSIS - TEM
FIBERS per CUBIC CENTIMETER (F/cc)

SAMPLE NUMBER:			R01-160815AJ-0017	R01-160815AJ-0018	R01-160815AJ-0019	R01-160815AJ-0021	R01-160815AJ-0022
SAMPLE LOCATION:			North	East	South	East	South
LABORATORY NUMBER:			917268	917269	917270	917639	917640
DATE SAMPLED:			3/22/17	3/22/17	3/22/17	3/23/17	3/23/17
VOLUME (L):			1029	1044.8	1155.9	1084.7	1155.7
ANALYTES	METHOD	RL					
ASBESTOS	TEM 7402						
Tremolite		0.003	<0.003	<0.003	<0.002	<0.002	<0.002
Actinolite		0.003	<0.003	0.003	<0.002	<0.002	<0.002
Anthophyllite		0.003	<0.003	<0.003	<0.002	<0.002	<0.002
Chrysotile		0.003	<0.003	<0.003	<0.002	<0.002	<0.002
Amosite		0.003	<0.003	<0.003	<0.002	<0.002	<0.002
Crocidolite		0.003	<0.003	<0.003	<0.002	<0.002	<0.002

ANALYTICAL METHOD

TEM - TRANSMISSION ELECTRON MICROSCOPY -
NIOSH 7402

NOTES: RL = REPORTING LIMIT

ND = NO FIBERS DETECTED

NA = NOT APPLICABLE

L = LITER